

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3268	(endress-\$).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 10:06
S2	464	(endress-\$).as. and (fork oscillat\$3 oscilat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 10:06
S3	1434	(73/1.01,1.02,1.73,1.82,1.83).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/03 10:40
S4	252	S3 and (fork oscillat\$3 oscilat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 10:43
S5	22	S4 and ((detect\$4 measur\$4 sens\$4) with (travel\$4 propagat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 11:29
S6	369	(tuning near fork) and ((detect\$4 measur\$4 sens\$4) with (travel\$4 propagat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 11:37
S7	267	(tuning near fork) and ((detect\$4 measur\$4 sens\$4) with reaction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 11:55
S8	26	(tuning near fork) with ((detect\$4 measur\$4 sens\$4) with reaction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:01
S9	6	(tuning near fork) with ((detect\$4 measur\$4 sens\$4) with (travel\$4 propagat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:03
S10	3	S4 and ((measur\$4 detect\$4 sens\$4) with housing with (vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:05
S11	8	S3 and ((measur\$4 detect\$4 sens\$4) with housing with (vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:07

S12	1893	((tuning near fork) oscillator) with determin\$4 with function\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:11
S13	1	S12 and ((monitor\$4 detect\$4) with (vibration\$3) with (container housing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:12
S14	0	S12 and (remot\$4 with (monitor\$4 detect\$4) with (vibration\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:14
S15	4	S3 and (remot\$4 with (monitor\$4 detect\$4) with (vibration\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 12:16
S16	15	("3076343" "3120622" "3566163" "4441044" "4503351").PN. OR ("4620446").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 13:09
S17	26	S3 and ((identify\$3 detect\$4 determin\$4) with defect\$4 with (sensor oscillat\$4 oscilat\$4 fork transducer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/03 13:17
S18	17	("20010022514" "20010047691" "20020154029" "20030009300" "20030167141" "20030233876" "20050256689" "4419900" "5184516" "5383133" "5774376" "6006163" "6076405" "6192759" "6370964" "6396262" "7006944").PN. OR ("7246514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 13:22
S19	2	("4620446").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/03 23:17
S20	4	((("6205855") or ("6484109")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/03 23:28
S21	1479	(73/1.01,1.02,1.73,1.82,1.83).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/16 14:33
S22	26	S21 and ((identify\$3 detect\$4 determin\$4) with defect\$4 with (sensor oscillat\$4 oscilat\$4 fork transducer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 14:33
S23	87	S21 and ((monitor\$4 detect\$4) with vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 14:36
S24	13	S21 and ((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 14:39

S25	5861	((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 14:43
S26	2190	((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing) with sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 14:47
S27	0	((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing) with S21 and sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 15:06
S28	3	S21 and ((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing) with sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/16 15:06
S31	255	(rogers-d\$).xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 10:46
S32	1	S31 and (tuning near fork)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 10:46
S33	269	(difoggio-r\$).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 10:50
S34	35	(difoggio-r\$).in. and tuning	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 11:00
S35	18	(difoggio-r\$).in. and tuning with resonator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 11:35
S36	8393	tuning with resonator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 11:36
S37	90	tuning with resonator with coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 11:36
S38	22	tuning with resonator with ablat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/17 11:53
S41	2	("6647786").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/18 11:18

S42	43	three near (rod tine) with (oscillator resonat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/20 10:30
S43	2	("6,698,287").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/20 10:35
S44	14	(US-20060095223-\$ or US-20030056590-\$).did. or (US-7544464-\$ or US-7334452-\$ or US-6698287-\$ or US-6647786-\$ or US-6389891-\$ or US-6236322-\$ or US-6051783-\$ or US-5709558-\$ or US-5440455-\$ or US-4620446-\$).did. or (US-2520520-\$).did. or (JP-04369447-\$).did.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/07/20 10:36
S45	11	S44 and piezoelectric	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/07/20 10:36
S46	0	(tuning near fork) and (piezoelectric with (receiver sensor))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/07/20 10:39
S47	890	(tuning near fork) and (piezoelectric with (receiver sensor))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/07/20 10:39
S48	234	(tuning near fork) and (piezoelectric near (receiver sensor))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/07/20 10:39
S49	4	((("6205855") or ("6484109")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/20 10:55
S51	1539	(73/1.01,1.02,1.73,1.82,1.83).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/02/18 10:18
S52	270	S51 and (fork oscillat\$3 oscilat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/18 10:19
S53	23	S52 and ((detect\$4 measur\$4 sens\$4) with (travel\$4 propogat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/18 10:20
S54	0	("(rogers-d\$).xa.andfork").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/30 22:25
S55	8	(rogers-d\$).xa. and fork	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 22:26

S56	50	"20020088284" "3130808" "3346058" "3390737" "3449940" "3608715" "3760204" "3903732" "4526480" "4574639" "4602505" "4679427" "4729237" "4922745" "5006845" "5048351" "5204529" "5269188" "5361632" "5622223" "5734098" "5741962" "5837893" "6073492" "6128949" "6176323" "6182499" "6336353" "6357536" "6378364" "6393895" "6401519" "6494079").PN. OR ("6938470").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/30 22:29
S57	6	"tuning fork" and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 22:37
S58	119	resonator and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:41
S59	0	(symyx-\$).as. and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:44
S60	1055	(symyx-\$).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:44
S61	7847	oscillator and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:44
S62	258	oscillator and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:44
S63	16	oscillator.ti. and ((burn\$4 ablat\$4) with (gold metal) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:45
S64	63	"tuning fork" and ((burn\$4 ablat\$4) with (layer coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/30 23:47
S65	125441	("tuning fork" resonator oscillator).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 09:56
S66	92	S65 and (("tuning fork" resonator oscillator) with mount\$4 with flange)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 09:56

S67	2	("7444245 ").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/07/01 09:59
S68	13	("20050086012" "4815323" "4975615" "5138886" "6360175" "6449566" "RE33837").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 12:35
S69	683	((oscillator resonator "tuning fork") with three with (tines bars forks))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 12:37
S70	8	("3106124" "3659230").PN. OR ("4007432").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 12:41
S71	962	(endress-\$).as.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 12:48
S72	369	S71 and (oscillat\$3 resonat\$3 "tuning fork" trident)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 12:49
S73	7	("20050086012" "4815323" "4975615" "5138886" "6360175" "6449566" "RE33837").PN. OR ("7444245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 13:08
S74	0	"strain gague" with mounting near flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 14:48
S75	9	"strain gauge" with mounting near flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 14:48
S76	5	"strain gauge" with mounted near flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 14:52
S77	41	"strain gauge" with (mount\$4 near\$5 flange)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 14:55
S78	371	"strain gauge" with flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 15:00
S79	1825	"strain gauge" with accelerometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 15:06
S80	46376	"strain gauge" near\$4accelerometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 15:06

S81	1278	"strain gauge" near4 accelerometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 15:06
S82	778	"strain gauge" near accelerometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 15:07
S83	23	"strain gauge" with monitor\$4 with vibrations with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:13
S84	72	"strain gauge" with monitor\$4 with vibrations	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:16
S85	1	"strain gauge" with vibrations with loos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:22
S86	328844	"strain gauge" with vibrations with resonance wit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:23
S87	17	"strain gauge" with vibrations with resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:23
S88	7	"strain gauge" with monitor\$4 with resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/07/01 20:32

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S29	1199	(73/1.01,1.02,1.73,1.82,1.83).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/07/16 15:08
S30	3	S29 and ((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing) with sensor)	US-PGPUB; USPAT; UPAD	OR	ON	2009/07/16 15:09

S39	3624	(73/1.01,1.02,1.73,1.82,1.83,504.12,504.15,504.16,430,866.5).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/07/17 09:52
S40	52	S39 and ((monitor\$4 detect\$4) with vibration with (mount\$4 nut bolt securing) with sensor)	US-PGPUB; USPAT; UPAD	OR	ON	2009/07/17 09:53
S50	1	"Term Removed"	US-PGPUB	OR	ON	2009/07/20 10:36

7/2/10 9:56:23 AM

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